



STIC EIC 2100

Search Request Form

Today's Date:

14 July 2003

What date would you like to use to limit the search?

Priority Date: 23 March 1980 Other:

Name

James Seal

AU 2131

Examiner # 76900

Room #

4D11

Phone

3084562

Serial #

09274496

Format for Search Results (Circle One):

PAPER

DISK

EMAIL

Where have you searched so far?

USP DWPI EPO JPO ACM IBM TDB

IEEE INSPEC SPI Other

Is this a "Fast & Focused" Search Request? (Circle One) YES - NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at <http://ptoweb/patents/stic/stic-tc2100.htm>.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Need a document which states that encryption is not good for copy protection or a reference that says masking (masking) data is preferred method for DVD copy protection

Ross Anderson Why Crypt system fail Communicator of the ACM 37(11) 32-40 Nov. 1994

STIC Searcher

David Holloway

Phone

308-7794

Date picked up

7-14-03

Date Completed

7-15-03

ACM



Google
Research Index

80 mcs }
812 54/100 } DIALOG

Set	Items	Description
S1	5114574	ENCRYPT? OR CSS OR CONTENT()SCRAMBL? OR ENCIPHER? OR ENCRYPT- HER? OR CYPHER? OR CRYPTO? OR DIGITAL()KEY? OR KEY? ?
S2	6168063	BREAK? OR HACK? OR PHREAK? OR WEAK? OR ATTACK? OR CRACK?
S3	27035	(MARK? OR MASK? OR EMBEDDED) (2N)CODE?
S4	7988835	PROTECT? OR SAFE? OR COPY OR COPIES OR UNAUTHOR?
S5	380619	(FLOPP?) (N) (DISC? OR DISK?) OR DVD? OR DIGITAL() (VIDEO? OR VERSATILE?) () (DISC? ? OR DISK??)
S6	840	S1(5N)S2(5N)S5
S7	408	RD (unique items)
S8	20	S7 NOT PY>1998
S9	16	S8 NOT PD=19980323:20000323
S10	16	S9 NOT PD=20000323:20030901
File 275:Gale Group Computer DB(TM) 1983-2003/Jul 15 (c) 2003 The Gale Group		
File 47:Gale Group Magazine DB(TM) 1959-2003/Jul 07 (c) 2003 The Gale group		
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File 88:Gale Group Business A.R.T.S. 1976-2003/Jul 08 (c) 2003 The Gale Group		
File 369:New Scientist 1994-2003/Jul W1 (c) 2003 Reed Business Information Ltd.		
File 160:Gale Group PROMT(R) 1972-1989 (c) 1999 The Gale Group		
File 635:Business Dateline(R) 1985-2003/Jul 12 (c) 2003 ProQuest Info&Learning		
File 15:ABI/Inform(R) 1971-2003/Jul 12 (c) 2003 ProQuest Info&Learning		
File 9:Business & Industry(R) Jul/1994-2003/Jul 14 (c) 2003 Resp. DB Svcs.		
File 13:BAMP 2003/Jun W5 (c) 2003 Resp. DB Svcs.		
File 810:Business Wire 1986-1999/Feb 28 (c) 1999 Business Wire		
File 647:CMP Computer Fulltext 1988-2003/Jun W4 (c) 2003 CMP Media, LLC		
File 98:General Sci Abs/Full-Text 1984-2003/May (c) 2003 The HW Wilson Co.		
File 148:Gale Group Trade & Industry DB 1976-2003/Jul 15 (c)2003 The Gale Group		
File 634:San Jose Mercury Jun 1985-2003/Jul 13 (c) 2003 San Jose Mercury News		
File 392:Boston Herald 1995-2003/Jul 14 (c) 2003 Boston Herald		
File 631:Boston Globe 1980-2003/Jul 13		

10/3,K/1 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

CSS keys
security

02034208 SUPPLIER NUMBER: 19119620
DVD the hype and the hope. (DVD-ROMs to eventually replace CD-ROMs)
(includes related articles on various types of DVD, Laser-Pacific Media's
DVD-ROM video of Tsunami's interactive-movie CD-ROM, and DVD reference
titles) (Technology Information) (Cover Story)

Brown, Eric
Newmedia, v7, n2, p45(6)
Feb 10, 1997

DOCUMENT TYPE: Cover Story ISSN: 1060-7188 LANGUAGE: English
RECORD TYPE: Abstract

...ABSTRACT: advantages since it does not provide exceptional quality
improvements over laserdiscs, and it features a weak copyright-
encryption scheme. Analysts suggest that the DVD-ROM drives that are due
in the beginning of 1997 will dominate initial DVD sales...

keys on disk

10/3,K/2 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

01523378 SUPPLIER NUMBER: 12360546 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Swan 386SX/25 Notebook; Swan 386SX/20 Notebook. (Swan Technologies Inc.)
(Hardware Review) (one of 40 evaluations of notebook computers in
'Fitting the World Inside Your Briefcase') (Evaluation)

Rist, Oliver
PC Magazine, v11, n14, p234(2)
August, 1992

DOCUMENT TYPE: Evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 717 LINE COUNT: 00054

... 25-MHz model's and has good-size keys with decent travel, but the
cursor keys are in an L-shape layout. The Epson floppy disk drive has
a weak feel, but the rest of the case is sturdy, including the interface
port door.
Swan...

10/3,K/3 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2003 The Gale group. All rts. reserv.

05007651 SUPPLIER NUMBER: 19918353 (USE FORMAT 7 OR 9 FOR FULL TEXT)
A holy war over videodisks. (competing formats)

Lardner, James
U.S. News & World Report, v123, n17, p55(4)
Nov 3, 1997

ISSN: 0041-5537 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2581 LINE COUNT: 00192

... Divx people) new movies will eventually be released in the Divx
format alone. A few DVD owners have been plotting to break Divx's
top-secret encryption system (so sensitive that there is a government ban
on the export of encoders); others...

10/3,K/4 (Item 2 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2003 The Gale group. All rts. reserv.

02510045 SUPPLIER NUMBER: 03176511 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Corporate managers tackle security.
Zonderman, Jon

PC Week, v1, p37(2)
March 13, 1984
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1802 LINE COUNT: 00140

... unexpected headaches. Zander recalls when one employee left the company and forgot to give the **key** to his **floppy - disk** lockbox to his supervisor. Company officials had to **break** into the lockbox to retrieve his data and programs. Limit Access
Some security specialists believe...

10/3,K/5 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

03340212 Supplier Number: 46865877 (USE FORMAT 7 FOR FULLTEXT)

Decryption by PC
Multimedia Week, v5, n43, pN/A
Nov 4, 1996
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 150

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

CompCore's Richter said **cracking** the DVD **encryption** scheme is only part of the copyright problem. Pirates can add analog equipment to the...

10/3,K/6 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

05358522 Supplier Number: 48149939 (USE FORMAT 7 FOR FULLTEXT)

Three Monkeys to support Singulus in Asia
One to One, p24
Dec, 1997
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 242

... the market.

Three Monkeys Technology has also been appointed exclusive agent for CopyLok, which produces ' **hacker** proof' CDs and DVDs by **encrypting** information at the mastering stage to prevent discs from being copied using either a gold...

10/3,K/7 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

05351379 Supplier Number: 48139818 (USE FORMAT 7 FOR FULLTEXT)

Hacker breaks soft DVD encryption code
Electronic Engineering Times, p8
Nov 24, 1997
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 239

(USE FORMAT 7 FOR FULLTEXT)

Hacker breaks **soft** DVD encryption code
TEXT:

...that could raise further questions about efforts to prevent unauthorized copying of DVD titles, a **hacker** has posted on the Internet a method of **cracking** the **encryption** code used to protect DVD titles.

The decryption utility program, called softDVDcrack, has been posted

in recent weeks in various DVD newsgroups. It allows hackers to crack the Content Scrambling System (CSS), a software encryption scheme licensed by the DVD Forum.

The hacking method has appeared as the computer industry is on the verge of adopting software decoding...

10/3,K/8 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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05214633 Supplier Number: 47954516
Some studios fear films will be illegally copied.
Lieberman, David
USA Today, pB1
Sept 2, 1997
Language: English Record Type: Abstract
Document Type: Newspaper; Trade

ABSTRACT:
...business as studios like Walt Disney, Fox and Paramount have become wary of switching to DVD technology for fear of duplication by pirates who can break their encryption codes. Walt Disney's involvement is significant to the viability of the product since Disney...

10/3,K/9 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

05024288 Supplier Number: 47377125 (USE FORMAT 7 FOR FULLTEXT)
Encryption won't prevent the infringement of DVD disks
Electronic Engineering Times, p139
May 12, 1997
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 255

... as any other data. If the goal is to prevent home users from duplicating a DVD, then cryptography is overkill.
The story titled "Intel bids to break copyright stalemate" (see April 28, page 1) confirms that Intel has proposed a system that...

10/3,K/10 (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

04777343 Supplier Number: 47032476 (USE FORMAT 7 FOR FULLTEXT)
DVD: Last year's bang is now more a whimper
Yoshida, Junko
Electronic Engineering Times, p10
Jan 13, 1997
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 472

... Once a blockbuster movie is put on a market in a digital format on a DVD, digital idiots out there can theoretically break the encryption system in a matter of hours," said Rick Sizemore, president of Total Research In Multi...

10/3,K/11 (Item 1 from file: 141)
DIALOG(R)File 141:Readers Guide
(c) 2003 The HW Wilson Co. All rts. reserv.

03568333 H.W. WILSON RECORD NUMBER: BRGA97068333 (USE FORMAT 7 FOR

FULLTEXT)

A holy war over videodisks.

AUGMENTED TITLE: Divx vs. DVD

Lardner, James.

U.S. News & World Report (U S News World Rep) v. 123 (Nov. 3 '97) p. 55-8

WORD COUNT: 2606

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

... Divx people) new movies will eventually be released in the Divx format alone. A few DVD owners have been plotting to **break** Divx's top-secret **encryption** system (so sensitive that there is a government ban on the export of encoders); others...

10/3,K/12 (Item 1 from file: 696)

DIALOG(R)File 696:DIALOG Telecom. Newsletters

(c) 2003 The Dialog Corp. All rts. reserv.

00502506

DVD CONSORTIUM MAKES SOME PROGRESS ON COPYRIGHT ISSUES, BUT NOT ALL HOLLYWOOD STUDIOS ARE BITING JUST YET

MULTIMEDIA WEEK

November 4, 1996 VOL: 5 ISSUE: 43 DOCUMENT TYPE: NEWSLETTER

PUBLISHER: PHILLIPS BUSINESS INFORMATION

LANGUAGE: ENGLISH WORD COUNT: 539 RECORD TYPE: FULLTEXT

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

TEXT:

...CompCore's Richter said **cracking** the DVD **encryption** scheme is...

10/3,K/13 (Item 1 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2003 ProQuest Info&Learning. All rts. reserv.

01476428 01-27416

Piracy fears stall Sony and Philips DVD launch

Baird, Roger

Marketing Week v20n17 PP: 6 Jul 24, 1997

ISSN: 0141-9285 JRNL CODE: MWE

WORD COUNT: 308

...TEXT: Disney, Universal and Twentieth Century Fox have withheld support because of fears over recording piracy. DVDs are not designed to be recordable but if pirates **crack** the **encryption** codes they will be able to produce perfect copies of Hollywood films - in contrast to...

10/3,K/14 (Item 1 from file: 9)

DIALOG(R)File 9:Business & Industry(R)

(c) 2003 Resp. DB Svcs. All rts. reserv.

1920899 Supplier Number: 01920899

Some studios fear films will be illegally copied

(Film studios are worried that pirates will break encryption codes and make perfect copies of DVD movies)

USA Today, v 15, n 246, p 1B+

September 02, 1997

DOCUMENT TYPE: National Newspaper ISSN: 0161-7389 (United States)

LANGUAGE: English RECORD TYPE: Abstract

(Film studios are worried that pirates will break encryption codes and make perfect copies of DVD movies)

ABSTRACT:

Film studios are worried that pirates will **break encryption** codes and make perfect copies of **DVD** movies. Nevertheless, film studios could make as much as \$2 bil in profit from domestic...

10/3,K/15 (Item 2 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2003 Resp. DB Svcs. All rts. reserv.

1716533 Supplier Number: 01716533 (USE FORMAT 7 OR 9 FOR FULLTEXT)
DVD: Last year's bang is now more a whimper
(Makers of digital videodisk players are disappointed by lack of title production from film industry)
Electronic Engineering Times, n 936, p 10
January 13, 1997
DOCUMENT TYPE: Journal; Industry Overview ISSN: 0192-1541 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 475

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...Once a blockbuster movie is put on a market in a digital format on a **DVD**, digital idiots out there can theoretically **break** the **encryption** system in a matter of hours," said Pick Sizemore, president of Total Research In MultiMedia...

10/3,K/16 (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2003 CMP Media, LLC. All rts. reserv.

01125915 CMP ACCESSION NUMBER: EET19970512S0101
Encryption won't prevent the infringement of DVD disks (Crosstalk)
ELECTRONIC ENGINEERING TIMES, 1997, n 953, PG139
PUBLICATION DATE: 970512
JOURNAL CODE: EET LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: The Profession
WORD COUNT: 257

... as any other data. If the goal is to prevent home users from duplicating a **DVD**, then **cryptography** is overkill.

The story titled "Intel bids to **break** copyright stalemate" (see April 28, page 1) confirms that Intel has proposed a system that

Set	Items	Description
S1	757225	ENCRYPT? OR ENCIPHER? OR ENCYPER? OR CYPHER? OR CRYPTO? OR DIGITAL()KEY? OR KEY? ?
S2	6407567	POOR? OR FAILURE? OR BAD? ? OR PROBLEM? OR WORTH? OR PRACTICAL? OR ALTERNATIVE?
S3	2291603	MARK? OR MASK? OR EMBEDDED()CODE?
S4	2374525	PROTECT? OR SAFE? OR COPY OR COPIES OR UNAUTHOR?
S5	12741	DVD OR DIGITAL() (VIDEO? OR VERSATILE?) () (DISC? ? OR DISK??)
S6	13	S1 AND S2 AND S4 AND S5
S7	69	S2 AND S4 AND S5
S8	3	S6 NOT PY>1998
S9	187	S4(5N)S5
S10	22	S7 AND S9
S11	19	RD (unique items)
S12	5	S11 NOT PY>1998
S13	25	S7 NOT PY>1998
S14	25	RD (unique items)
S15	2	S8 NOT PD=19980323:2000323
S16	173	S9 NOT PD=20000323:200030901
File	8: Ei Compendex(R)	1970-2003/Jul W1 (c) 2003 Elsevier Eng. Info. Inc.
File	35: Dissertation Abs Online	1861-2003/Jun (c) 2003 ProQuest Info&Learning
File	202: Info. Sci. & Tech. Abs.	1966-2003/Jun 30 (c) Information Today, Inc
File	65: Inside Conferences	1993-2003/Jul W2 (c) 2003 BLDSC all rts. reserv.
File	2: INSPEC	1969-2003/Jul W1 (c) 2003 Institution of Electrical Engineers
File	94: JICST-EPlus	1985-2003/Jun W5 (c) 2003 Japan Science and Tech Corp(JST)
File	111: TGG Natl. Newspaper Index(SM)	1979-2003/Jul 04 (c) 2003 The Gale Group
File	233: Internet & Personal Comp. Abs.	1981-2003/May (c) 2003 Info. Today Inc.
File	6: NTIS	1964-2003/Jul W2 (c) 2003 NTIS, Intl Cpyrght All Rights Res
File	144: Pascal	1973-2003/Jul W1 (c) 2003 INIST/CNRS
File	434: SciSearch(R) Cited Ref Sci	1974-1989/Dec (c) 1998 Inst for Sci Info
File	34: SciSearch(R) Cited Ref Sci	1990-2003/Jul W1 (c) 2003 Inst for Sci Info
File	62: SPIN(R)	1975-2003/Jun W1 (c) 2003 American Institute of Physics
File	99: Wilson Appl. Sci & Tech Abs	1983-2003/May (c) 2003 The HW Wilson Co.
File	95: TEME-Technology & Management	1989-2003/Jun W5 (c) 2003 FIZ TECHNIK

10/5/1 (Item 1 from file: 8)
DIALOG(R)File 8: Ei Compendex(R)
(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

05477632 E.I. No: EIP00025026167

Title: Digital video watermarking for DVD copy protection
Author: Kalker, Ton
Corporate Source: Philips Research Eindhoven, Eindhoven, Neth
Conference Title: Proceedings of the 1999 Multimedia Systems and Applications II
Conference Location: Boston, MA, USA **Conference Date:** 19990920-19990922
Sponsor: SPIE
E.I. Conference No.: 56290
Source: Proceedings of SPIE - The International Society for Optical Engineering v 3845 1999. p 2-9
Publication Year: 1999
CODEN: PSISDG **ISSN:** 0277-786X
Language: English
Document Type: JA; (Journal Article) **Treatment:** T; (Theoretical)
Journal Announcement: 0003W4

Abstract: Watermarking is an emerging technology that is claimed to have an important application in copyright **protection**. In this paper we consider the case of video watermarking for **DVD -Video copy protection**. An overview is given of the system requirements and its implications for the **DVD -Video** watermarking technology. In particular we focus on the **problem** of implementing **copy** generation control. Finally, we report on the status of the standardization discussions taking place in the **Copy Protection** Technical Working Group. Part of this paper has been presented at the 1999 edition of the ICMCS. (Author abstract) 8 Refs.

Descriptors: *Imaging techniques; Video signal processing; Digital signal processing; Optical disk storage; Security of data; Copyrights; Standards
Identifiers: Digital video watermarking; **Digital versatile disks (DVD)**

Classification Codes:
723.2 (Data Processing); 716.4 (Television Systems & Equipment); 716.1 (Information & Communication Theory); 722.1 (Data Storage, Equipment & Techniques); 741.3 (Optical Devices & Systems)
741 (Optics & Optical Devices); 723 (Computer Software); 716 (Radar, Radio & TV Electronic Equipment); 722 (Computer Hardware)
74 (OPTICAL TECHNOLOGY); 72 (COMPUTERS & DATA PROCESSING); 71 (ELECTRONICS & COMMUNICATIONS)

10/5/3 (Item 2 from File: 202)
DIALOG(R)File 202:Info. Sci. & Tech. Abs.
(c) Information Today, Inc. All rts. reserv.

3305804

Rallying the disc patrol: protection schemes for CD and DVD .

Author(s): Block, Debbie Galante

EMedia Professional vol. 11, no. 12, pages 34-43

Publication Date: December 1998

ISSN: 1049-0833

Language: English

Document Type: Journal Article

Record Type: Abstract

Journal Announcement: 3311

Examines a range of issues related to anti-piracy security efforts to **protect** copyrighted materials distributed via compact disc (CD) and **digital video disc (DVD)** technology and products. Outlines the nature of the piracy **problem** from a global perspective. Offers some possible solutions to the security **problem**, including a number of **copy protection** schemes now available to producers. Concludes that the good news for anti-piracy advocates is that content providers of all kinds - music, movies, and software - are beginning to work together to develop solutions and will continue to do so in an effort to make it difficult, time-consuming, and costly for pirates to practice their trade.

Descriptors: Copyright; Legal aspects; Motion pictures; Music

Classification Codes and Description: 5.10 (Security Considerations)

Main Heading: Information Processing and Control

10/5/18 (Item 2 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs
(c) 2003 The HW Wilson Co. All rts. reserv.

1481388 H.W. WILSON RECORD NUMBER: BAST97020858

Wobble drives pirates off the digital seas

Fox, Barry;

New Scientist v. 153 (Feb. 22 '97) p. 22

DOCUMENT TYPE: Feature Article ISSN: 0262-4079 LANGUAGE: English

RECORD STATUS: Corrected or revised record

ABSTRACT: Macrovision, one of the main developers of antipiracy technology to **protect digital video discs** (DVDs), has proposed a completely new solution to the piracy **problem**. The company recommends that **DVD** player manufacturers should make players that reject pirate **copies**, instead of trying to make discs that are difficult to **copy**. The new solution involves introducing a subtle wobble into the spiral of data pits that is pressed into all disc surfaces.

DESCRIPTORS: **DVD** technology; Copyright;

Set	Items	Description
S1	5115369	ENCRYPT? OR CSS OR CONTENT()SCRAMBL? OR ENCIPHER? OR ENCRYPT- HER? OR CYPHER? OR CRYPTO? OR DIGITAL()KEY? OR KEY? ?
S2	12911117	POOR? OR FAILURE? OR BAD? ? OR PROBLEM? OR WORTH? OR PRACT- ICAL? OR ALTERNATIVE?
S3	27033	(MARK? OR MASK? OR EMBEDDED) (2N)CODE?
S4	7989533	PROTECT? OR SAFE? OR COPY OR COPIES OR UNAUTHOR?
S5	253310	DVD? OR DIGITAL() (VIDEO? OR VERSATILE?) () (DISC? ? OR DISK?- ?)
S6	616	S1(S)S2(S)S4(S)S5
S7	13	S3(5N)S4(5N)S5
S8	242	S1(10N)S2(10N)S4(10N)S5
S9	255	S7 OR S8
S10	128	RD (unique items)
S11	46	S10 NOT PY>1998
S12	38	S11 NOT PD=19980323:20000323
S13	38	S12 NOT PD=20000323:20030801
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File	813:	PR Newswire 1987-1999/Apr 30 (c) 1999 PR Newswire Association Inc
File	141:	Readers Guide 1983-2003/May (c) 2003 The HW Wilson Co
File	239:	Mathsci 1940-2003/Sep (c) 2003 American Mathematical Society
File	370:	Science 1996-1999/Jul W3 (c) 1999 AAAS
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File 148:Gale Group Trade Industry DB 1976-2003/Jul 14
 (c)2003 The Gale Group
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 (c) 2003 San Jose Mercury News
File 392:Boston Herald 1995-2003/Jul 14
 (c) 2003 Boston Herald
File 631:Boston Globe 1980-2003/Jul 13
 (c) 2003 Boston Globe

13/3,K/1 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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02160459 SUPPLIER NUMBER: 20403883 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Soft DVD: promising but not yet ready. (implementing software DVD algorithms in a PC rather than in semiconductor decoders) (Technology Information)

Brown, Peter

Electronic News (1991), v44, n2210, p6(1)

March 16, 1998

ISSN: 1061-6624

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1426 LINE COUNT: 00108

... and software will obviously always be cheaper. Now with the requirements needed to run software DVD , it's not cost effective."

The CSS Problem

One problem that has confined software DVD to niche markets is establishing proper **encryption** coding. Initially, soft DVD technology suffered from not having the approval of the DVD Consortium's **copy protection** scheme known as **content scramble** system (**CSS**).

Recently, the DVD industry rallied around software DVD and determined that software could be **copy protected** using **CSS** . The Consortium also said a company could **protect** content only if it used a software-only offering or a hardware-only offering. Hybrid...

13/3,K/4 (Item 4 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01942728 SUPPLIER NUMBER: 18351750
Copyright issues may stall digital videodisc debut. (Industry Legal Issue)
Greenstein, Jane
Los Angeles Times, v115 , Mon ed, col 6, pD1
June 3, 1996
ISSN: 0458-3035 LANGUAGE: English RECORD TYPE: Abstract

...ABSTRACT: until 1997. The film and record industries are distributed by the potential for high quality **copies** possible with **DVD** . Although agreeing on a form of **encryption** does not present a **problem** , locating the technology necessary to prevent digital-to-digital analog copying remains **problematic** .

13/3,K/7 (Item 2 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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03709924 Supplier Number: 48012949 (USE FORMAT 7 FOR FULLTEXT)

DIVX TO BE PROMOTED SOON IN CIRCUIT CITY STORES

Video Week, v18, n38, pN/A

Sept 29, 1997

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 740

... front royalty guarantees to attract Divx support, and officially some were saying it was stronger **copy protection** system that won them over. Original Divx publicity materials quoted Eric Doctorow, Paramount pres.-Worldwide Video, as saying studio's piracy concerns "have not been addressed to date" in regular **DVD** system. Divx "proposes to address these concerns, which is why we are participating at this...

...said.

Comment seemed source of embarrassment to Matsushita, which has had to defend sanctity of **Content Scrambling System (CSS)** it invented and has licensed for regular **DVD** at same time it justifies supporting Divx. Matsushita "strongly supports" **CSS encryption** developed "to **protect** the copyrights of **DVD** software content owners," said Toshikazu Yosumi, dir., Matsushita's Optical Disc Systems Div. "In our view, the **DVD CSS** is perfectly adequate for **protecting** this software from **unauthorized** copying," he said. Moreover, he said, "we support Divx as a step-up feature for our **DVD** players as an **alternative** method for distributing software."

Uncommitted Divx hardware companies continued to weigh in with opinion that...

13/3,K/9 (Item 4 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

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03565906 Supplier Number: 47379072 (USE FORMAT 7 FOR FULLTEXT)

HITACHI SEES RECORDABLE DVD AS VCR 'REPLACEMENT'

Audio Week, v9, n18, pN/A

May 12, 1997

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 791

... modifications. Expansion is to be completed by Sept. Replicator also said it will offer CSS **copy protection** services to other companies interested in releasing **DVD** -video titles with **embedded code** required as antipiracy measure.

First PC company out with **DVD** -ROM will be IBM, company said at news conference last week. Toshiba-sourced DVD-ROM...

13/3,K/11 (Item 6 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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03339528 Supplier Number: 46864979 (USE FORMAT 7 FOR FULLTEXT)

DVD ENCRYPTION 'ACHIEVEMENT' HAILED BY COPYRIGHT WORKING GROUP

Audio Week, v8, n43, pN/A

Nov 4, 1996

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 1561

... system later if tests find encryption system can be circumvented easily.

If modifications cannot cure **problems** that might crop up, say sources, studios have told working group they will pursue other technologies. Statement said although Matsushita **encryption** plan "provisionally" meets working group's goals and objectives for **DVD copy protection**, system "is still undergoing final evaluation by some parties." **DVD** subcommittee "recognizes that improvements may be made in this particular system and that **alternative** scrambling systems may be developed and adopted in the future," said statement.

In deference to PC industry demands that **copy protection** systems be made voluntary, statement quoted **DVD** Subcommittee Co-Chmn. Alan Bell, IBM, as saying: "Manufacturers who want to play **DVDs** on their systems can obtain a license for the **encryption** system. But this approach will allow makers of player and recording devices to elect not to play back motion pictures **protected** using this system." Similarly, Subcommittee Co.-Chmn. Chris Cookson, Warner Bros., said that "equipment manufacturers who wish to have their machines play **encrypted DVD** video will be in a position to get a license to do so. They will then also be obliged to have their machines respond to the licensed **copy** control measures," Cookson said.

Working group will not be involved in deploying or licensing encryption...

13/3,K/14 (Item 9 from file: 636)
DIALOG(R)File 636:Gale Gr Newsletter DB(TM)
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03308976 Supplier Number: 46796706 (USE FORMAT 7 FOR FULLTEXT)

DIGITAL VIDEO DISK

Computergram International, n3019, pN/A

Oct 14, 1996

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 151

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

So what's the solution to the **Digital Video Disk problem** that meant that once recordable disks arrived, people would be able to run off perfect **copies** of movies for all their friends on home recording machines? The **problem** with **encrypting** the entire movie is that either quality would go out the window or the thing...

13/3,K/19 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Gr PROMT(R)
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05232907 Supplier Number: 47979718 (USE FORMAT 7 FOR FULLTEXT)

Copy-protection moves cast new cloud over DVD

Wilson, Ron; Costlow, Terry

Electronic Engineering Times, p1

Sept 15, 1997

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 1525

... hamper the MPEG converters.

The emergence of more DVD formats is both good news and **bad** news for the fledgling **DVD** market. Many major film studios have been reluctant to provide movies for use on **DVD** drives, because of concerns over pirated **copies**. Studios fear that **CSS**, which was optimized for ease of decoding, will eventually be cracked by hackers. Pirates with...

13/3,K/21 (Item 6 fr file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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04541237 Supplier Number: 46672542 (USE FORMAT 7 FOR FULLTEXT)

Ship delays hint at rift in DVD camp

Electronic Engineering Times, pl

Sept 1, 1996

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 1254

... TVs for the consumer market (see story, page 14).

While the unresolved questions about DVD **copy** protection apparently loom large for Sony and Philips, a Matsushita executive made it clear that the issue won't stop Japan's **DVD** rollout.

At a press conference here last week, Sakon Nagasaki, director of Matsushita's **DVD** -business planning office, called completion of the **DVD** version 1.0 specification and resolution of the **encryption** debate two separate issues. In a statement that surprised many industry watchers, Nagasaki pointed out that some in the **DVD** consortium-Matsushita included-believe the version 1.0 spec need not include the copy- **encryption** system now being developed. Nagasaki indicated that Matsushita and a few other Japanese manufacturers may go ahead with plans to produce **DVD** players in Japan without waiting for an agreement on the copy-protection issue.

Encryption "is a problem in the United States, not in Japan," Nagasaki said.

Last week's developments point to a divergence of thought within the **DVD** -manufacturing consortium, with Sony and Philips clearly waiting to resolve the **copy - encryption** issue while the rest of the **DVD** players begin their manufacturing ramp. Hollywood's motion-picture studios-the group that provided the initial spark for **DVD** 's development-have made it clear that they will not adapt their movies and intellectual property to the new **DVD** format without a universal **encryption** scheme.

Matsushita, Toshiba, Pioneer and Hitachi, however, said they will deliver **DVD** players at about 70,000 yen (roughly \$650) to the Japanese market by late October...

13/3,K/22 (Item 7 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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04162014 Supplier Number: 46078309 (USE FORMAT 7 FOR FULLTEXT)

First DVD Product Shown At CES Copy-Protection Issue Unresolve

Billboard, p6

Jan 20, 1996

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; General

Word Count: 1222

... now it is ended."

Lieberfarb said that Warner Home Video will serve up simultaneous video/ **DVD** releases, 40- to 45- day pay-per-view windows, catalog classics for **DVD** , and sell-through pricing to drive hardware sales.

Despite a great deal of **DVD** flag-waving, several **key** issues remain unresolved. At the top of the list is **copy protection** , which has been debated since last year.

Recently, a **copy - protection** technology was approved by software suppliers, but it was rejected by hardware suppliers. The main **problem** is

13/3,K/25 (Item 3 from file: 484)
DIALOG(R)File 484:Periodi Abs Plustext
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03222691 (USE FORMAT 7 OR 9 FOR FULLTEXT)

DVD detour damage control: Not fixing the wrong problems

Parker, Dana J

EMedia Professional (LDP), v10 n4, p96-97, p.2

Apr 1997

ISSN: 1090-946X JOURNAL CODE: LDP

DOCUMENT TYPE: Commentary

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1407

TEXT:

... on the market. If this chip works, will the country codes be abandoned as the **bad** idea they've always been, or will there be an attempt to outlaw the chips or redesign the country lock? Stay tuned.

WRONG **PROBLEM** : ILLEGAL COPYING WRONG SOLUTION: **ENCRYPTION** ,
MACROVISION, FEDERAL LAW

Early in **DVD** 's development, to thwart the perceived threat of grandscale piracy of **DVD** Video content, the format's proponents-driven by the video format's Hollywood contingentdeveloped a **copy protection** scheme supported by accompanying federal legislation. The approach devised and currently in place imposed no...

13/3,K/27 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01354468 00-05455

Future trends in CD-recordable technology

Young, Andrew

Computer Technology Review v16n12 PP: 44-46 Dec 1996

ISSN: 0278-9647 JRNL CODE: CTN

WORD COUNT: 1511

...TEXT: CD-R media over the years. One can expect a similar pattern to occur for DVD -R technology.

Further, there is a possible **problem** with the data **encryption / copy protection** scheme which the movie industry wants to impose on all DVD technology users so they can **protect** their copyrighted materials. Unfortunately, if a blanket **encryption** requirement is placed on all uses of DVD, including computer applications, this will add additional complexity, and potentially substantial additional cost, to the process of creating DVD discs. While expensive, if this equipment was required only for replicated discs, it could be...

Set	Items	Description
S1	763274	ENCRYPT? OR CSS OR CONTENT()SCRAMBL? OR ENCIPHER? OR ENCRYPT- HER? OR CYPHER? OR CRYPTO? OR DIGITAL()KEY? OR KEY? ?
S2	6407604	POOR? OR FAILURE? OR BAD? ? OR PROBLEM? OR WORTH? OR PRACT- ICAL? OR ALTERNATIVE?
S3	4952	(MARK? OR MASK? OR EMBEDDED) (2N)CODE?
S4	2374605	PROTECT? OR SAFE? OR COPY OR COPIES OR UNAUTHOR?
S5	13554	(FLOPPY OR FLOPPIE OR SOFTWARE) (N) (DISC? ? OR DISK? ?)
S6	16	S1 AND S2 AND S4 AND S5
S7	0	S3 AND S4 (2N)S5
S8	16	S6 OR S7
S9	14	RD (unique items)
S10	0	S3 AND S4 AND S5
S11	2	S3 AND S5
S12	16	S11 OR S9
S13	16	RD (unique items)
S14	15	S13 NOT PY>1998
S15	15	S14 NOT PD>19980323
File	8: Ei Compendex(R) 1970-2003/Jul W1	(c) 2003 Elsevier Eng. Info. Inc.
File	35: Dissertation Abs Online 1861-2003/Jun	(c) 2003 ProQuest Info&Learning
File	202: Info. Sci. & Tech. Abs. 1966-2003/Jun 30	(c) Information Today, Inc
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File	2: INSPEC 1969-2003/Jul W1	(c) 2003 Institution of Electrical Engineers
File	94: JICST-EPlus 1985-2003/Jun W5	(c) 2003 Japan Science and Tech Corp(JST)
File	111: TGG Natl. Newspaper Index(SM) 1979-2003/Jul 07	(c) 2003 The Gale Group
File	233: Internet & Personal Comp. Abs. 1981-2003/May	(c) 2003 Info. Today Inc.
File	6: NTIS 1964-2003/Jul W2	(c) 2003 NTIS, Intl Cpyrght All Rights Res
File	144: Pascal 1973-2003/Jul W1	(c) 2003 INIST/CNRS
File	434: SciSearch(R) Cited Ref Sci 1974-1989/Dec	(c) 1998 Inst for Sci Info
File	34: SciSearch(R) Cited Ref Sci 1990-2003/Jul W1	(c) 2003 Inst for Sci Info
File	62: SPIN(R) 1975-2003/Jun W1	(c) 2003 American Institute of Physics
File	99: Wilson Appl. Sci & Tech Abs 1983-2003/May	(c) 2003 The HW Wilson Co.
File	95: TEME-Technology & Management 1989-2003/Jun W5	(c) 2003 FIZ TECHNIK

15/5/4 (Item 1 from e: 2)

DIALOG(R)File 2:INSPEC

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04320078

Title: PC access control systems

Author(s): Solomon, A.

Journal: Computer Fraud & Security Bulletin p.7-10

Publication Date: Dec. 1992 **Country of Publication:** UK

CODEN: CFSBEK **ISSN:** 0142-0496

U.S. Copyright Clearance Center Code: 0142-0496/92/\$0.00+3.00

Language: English **Document Type:** Journal Paper (JP)

Treatment: Practical (P)

Abstract: The more secure you try to make a computer, the more inconvenient it is to use. If the inconvenience gets so **bad** that the user judges that it isn't **worth** it, then the access control might be removed. 'Just enough security' is important. The minimum level of security is given by boot **protection** packages. With these, if you boot from a **floppy disk**, DOS says that the hard disk is not present. The next level of security is provided by a system that **encrypts** the disk, and it is only **encrypted** when the user supplies the password. After the question of the strength of the access control system, comes the question of features and facilities. Some systems assume that the user of the computer, if authorized, should have access to all the facilities of the system. Others assume that there might be several different users of the same computer, and they need different access. (0 Refs)

Subfile: D

Descriptors: authorisation; microcomputers

Identifiers: dis **encryption**; security; authorization; PC access control systems; computer; boot **protection** packages; password

Class Codes: D1060 (Security); D5010 (Computers and work stations)